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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/447,179	11/22/1999	BARRY O'DRISCOLL	34647-00407U	3497
38065	7590	02/06/2006	EXAMINER	
ERICSSON INC. 6300 LEGACY DRIVE M/S EVR C11 PLANO, TX 75024			TRINH, SONNY	
			ART UNIT	PAPER NUMBER
			2687	

DATE MAILED: 02/06/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/447,179

Applicant(s)

O'DRISCOLL, BARRY

Examiner

Sonny TRINH

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 25 June 2003.  
2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1,2,4,13,14,23 and 25-30 is/are pending in the application.  
4a) Of the above claim(s) 23 is/are withdrawn from consideration.  
5) ☒ Claim(s) 1,2,4,13 and 14 is/are allowed.  
6) ☒ Claim(s) 25-30 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.  
10) ☒ The drawing(s) filed on 22 November 1999 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_  
4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_  
5) ☐ Notice of Informal Patent Application (PTO-152)  
6) ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Response to Amendment***

This Office action is in response to amendment filed 06/25/03.

Claims 1-2, 4, 13-14, 25-30 are pending (claims 25-30 are newly added).

Claims 2, 5-12, 15-22 and 24 are canceled.

Claim 23 is not present in the amendment file 06/25/03. Therefore, claim 23 is not considered. Appropriate correction is required.

### ***Drawings***

The drawings are objected to because hand written notes are not very clear. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must

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be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

1. **Claims 25-30** are rejected under 35 U.S.C. 103(a) as being unpatentable over Chan et al. (Chan; US Patent Number 5,850,445) in view of Bugnon et al. (Bugnon; US Patent Number 6,397,056).

Regarding claim 25, Chan discloses a method for monitoring authentication performance in a wireless communication network (abstract) comprising the steps of:

sending an authentication report order message to a mobile switching center in said wireless communication network from an external wireless communication network (figure 8, column 11), said authentication report order message including at least one authentication parameter (column 9);

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determining whether an access request made to said wireless communication network is authenticated based on said at least one authentication parameter (column 11, lines 24-61); and

if said access request is authenticated based on said at least one authentication parameter, said mobile switching center transmitting an Authentication Status Report message to said external0 wireless communication method (figure 11, column 16 line 64 to column 18 line 13).

However, Chan does not explicitly disclose that the authentication and status report is an ANSI authentication and status report. (please note that Chan discloses that the Authentication, Signaling Message Encryption and Voice Privacy, May 1993, is incorporated by reference in its entirety including the TIA IS-41-C standard (column 2, line 56 to column 3 line 16)).

In an analogous art, Bugnon teaches a system and method for reducing network signaling load in a radio telecommunications network. Bugnon further teaches the Global Challenge Report Directive message (columns 1-2) is formatted in accordance with an ANSI-41 protocol (column 9 lines 4-17).

Therefore, it would have been obvious to one of ordinary skill in the art, at the time the invention was made to use, within the system of Chan, the ANSI-41 protocol, as taught by Bugnon, in order to adhere to standard format for system compatibility.

Regarding **claim 26**, Chan further discloses the step of transmitting an acknowledgment message responsive to said authentication report order message (figure 8, column 11, specifically lines 36-44).

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Regarding **claim 30**, Bugnon further discloses that the wireless communication network comprises an ANSI-41 network (column 9 lines 4-17).

Regarding **claim 27-29**, the combination of Chan and Bugnon discloses the invention but does not explicitly disclose the Registration Notification Return Result message, the Qualification Directive message nor the Authentication Directive message. However, the Registration Notification Return Result message, the Qualification Directive message and the Authentication Directive message are standard protocol that are well known and widely used and the Examiner takes Official notice of such standard for compatibility issues.

#### ***Allowable Subject Matter***

2. **Claims 1-2, 4, 13-14** are allowed.

The following is an examiner's statement of reasons for allowance:

Regarding independent claims 1 and 13, the cited prior art fails to teach or suggest the claimed limitations with the reasons set forth in the Applicant's Remarks filed on 06/25/03, pages 5-7.

#### ***Conclusion***

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**.

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See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sonny TRINH whose telephone number is 571-272-7927. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lester KINCAID can be reached on 571-272-7922. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

2/2/06



SONNY TRINH  
PRIMARY EXAMINER